



# City of Carlsbad

Invites you to apply for  
the position of:  
**Traffic Signal Systems  
Engineer**

*(Sr. Civil Engineer)*

**Annual Salary:**  
**\$77,600 - \$106,700**



**Open Until Filled**

## THE CARLSBAD COMMUNITY

Carlsbad is a picturesque coastal community located 30 miles to the north of San Diego and 70 miles to the south of Los Angeles. The scenic Pacific coastline and renowned flower fields create an optimal environment to live, work and play. The City strives to attract and retain top tier businesses while maintaining a small town community spirit and protecting the city's environment and natural resources. Carlsbad is also recognized for its progressive and stable city government. The City's current population is expected to grow from 100,000 to 118,500 at build out. The City is approximately 75% built out on residential building and 82% built out on commercial development.

Carlsbad is a city committed to continued financial stability, a high quality of life and top quality services for its citizens. Transportation and circulation issues have been identified as top priorities by the City Council. Over the next several years the City organization will transition from high growth to a focus on maintaining a sustainable community.

## THE DEPARTMENT AND POSITION

Headed by the Deputy Director of Public Works, the Engineering Department consists of six Divisions - Administration, Construction Management and Inspection, Development Services, Planning and Programs, Transportation, and Design Engineering. The Traffic Signal Systems Engineer position is a new position within the Transportation Division and reports to a Deputy City Engineer. This opening is an excellent opportunity for an experienced traffic engineer to design and implement a new traffic signal coordination system for the City.

## KEY RESPONSIBILITIES

- Develop standards, procedure and application with respect to traffic signals and systems, including signal integration with emergency traffic operations and incident management programs
- Prepare engineering plans for traffic control improvements, prepare technical reports
- Participate in public presentations relative to traffic engineering projects
- Review requests to install traffic control devices
- Investigate and research causes of traffic congestion
- Assess facilities in the field for traffic operations, regulatory and safety issues and assist in developing corrective measures as possible
- Design signing and striping traffic control plans, pavement marking, roadway lighting, and traffic control devices throughout the City and monitor for optimal performance.



## THE IDEAL CANDIDATE

- Must be registered as a Civil or Traffic Professional Engineer and possess progressively responsible related professional traffic engineering experience
- Will have thorough working knowledge with software packages such as SYNCHRO, PASSERII, TRANSYT and PRETRANSYT
- Will have excellent analysis skills, identifying alternative solutions, projecting consequences of proposed actions and implementing recommendations
- Must be capable of working in a collaborative environment and providing a high level of customer service

## QUALIFICATIONS

In addition to the skills necessary to carry out the duties of the position, the position requires the following education and experience:

### **EDUCATION**

Bachelor's degree from an accredited college or university with a major in civil engineering or comparable. Additional course work in Public Administration or Engineering is desirable.

### **EXPERIENCE**

A minimum of four years of progressively responsible professional work experience in the field of civil or traffic engineering

### **LICENSING**

Registration as a professional civil engineer or traffic engineer in the state of California and an appropriate or comparable, valid California driver's license.

(If candidate has certification in a State other than California, the candidate will be required to attain California registration within one year of date of hire.)

## SUPPLEMENTAL QUESTIONNAIRE

Please answer the following questions. A resume will not be accepted in lieu of submitting responses to this supplemental questionnaire, but may be included in addition to the required application package.

1. Please outline your related training and experience and indicate how it has progressively increased to a level that qualifies you for the position of Traffic Signal Systems Engineer.
2. Describe your experience with SYNCHRO, PASSERII, TRANSYT, PRETRANSYT and other relevant traffic engineering software packages.
3. In the last three years what has been your most significant project? Describe your role from start to finish.

Please sign and date the questionnaire and attach to your completed City of Carlsbad application for employment, or complete on the website with the online application.

## COMPENSATION AND BENEFITS

Annual Salary: \$77,600 - \$106,700

- PERS Retirement: 3% @ 60 plan. The City pays 7% of the employee's retirement contribution to CalPERS in addition to the required employer's contribution.
- Health benefits include medical, dental, vision and life insurance
- Flexible Spending Accounts
- Paid Holiday, Vacation, Sick Leave
- Tuition Reimbursement Program

## SELECTION PROCESS

It is important that your application, as well as the Supplemental Questionnaire, show all relevant education, training, experience, knowledge, abilities and skills you possess that qualify you for the position. All application materials will be reviewed and the most qualified candidates will be invited to continue in the selection process. The selection process may consist of a written exam and/or oral exam. Those candidates who are determined as highly qualified in the selection process will have their names placed on an eligibility list that will remain in effect for one year. Final candidates will have experience and educational background verified and will be required to furnish references.

**This is an at-will management position**



## FILING DEADLINE

On-line Applications may be obtained from:

[www.carlsbadca.gov/hr](http://www.carlsbadca.gov/hr)

or call (760) 602-2440 to request the Application.

City of Carlsbad  
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1635 Faraday Avenue  
Carlsbad, CA 92008-7314



**City of Carlsbad**  
A great place to make  
a living. And a life.

